

Attorney Docket No.: WON-0003
Inventors: Kwak et al.
Serial No.: 10/519,511
Filing Date: February 16, 2005
Page 2

Amendments to the Specification:

Please replace the paragraph beginning at line 16 of page 9 with the following:

In order to establish a simple treatment method for the quantitative analysis on the activity, the present inventors added 2,3,5-triphenyltetrazolium ~~cherelide~~ chloride (referred as "TTC" hereinafter) to photomixotrophic cultured cells and measured optical density, leading to the measurement of cell growth.

Please replace the paragraph beginning at line 25 of page 11 with the following:

2) Treating 2,3,5-triphenyltetrazolium ~~cherelide~~ chloride thereto;

Please replace the paragraph beginning at line 8 of page 12 with the following:

As for step 2), the treatment time of 2,3,5-triphenyltetrazolium ~~cherelide~~ chloride is generally 3-7 hours, but 4.5-5.5 hours are preferable and 5 hour treatment is most preferable.

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Page 3

Please replace the paragraph beginning at line 16 of page 18 with the following:

In order to investigate cell viability on the 7th day of atrazine treating culture, treated 2,3,5-triphenyl tetrazolium ~~chloride~~ chloride (TTC) at the concentration of 12 mM. TTC compound was reacting with an enzyme of live mitochondrial inner membrane (TTC reduction), resulted in the diversion into deep formazan (Lakon, Ber Dtsch Bot Ges, 60: 299, 1942). Therefore, undamaged cells by the treatment of the compounds turned into red color by TTC reaction, but damaged cells had no color.